

STATA Syntax. Dofile

```
/* Country dummies */  
tab country1, gen(importer_)  
tab country0, gen(exporter_)  
  
/*Time dummies*/  
tab year, gen(year_)  
  
/*Country-time dummies*/  
tab gdp_d, gen(importeryear_)  
tab gdp_o, gen(exporteryear_)  
  
/*Pair dummies*/  
egen pairid = group(country0 country1)  
tab pairid, gen(pair_)  
xtset pairid year
```

Logarithm form of major variables

```
gen LOGTRADE=ln(flow)  
gen LOGDIS=ln( distw)  
gen LOGPOPO=ln( pop_o)  
gen LOGPOP1=ln( pop_d)  
gen LOGAREA0=ln(area_o)  
gen LOGAREA1=ln(area_d)  
gen loggdpc0=ln(gdpcap_o)  
gen loggdpc1=ln(gdpcap_d)
```

Where, inflow=trade flow from exporter to importer, distw=distance between countries' capital, pop_o =population of exporting countries, pop_d= population of importer countries, areo_o =areal size of exporter countries, area_d=areal size of importer countries, gdpcap_o=GDP per capita of exporter countries and gdpcap_d= GDP per capita of importer countries.


```
(loghardfinal=govvfrac checkandbalance civilliberty llogpop1 llogpop0 lloggdpc1  
lloggdpc0 ), vce(robust)
```

```
ivregress liml LOGTRADE loggdpc0 loggdpc1 LOGPOPO LOGPOP1 MR1DIS MRREL  
COMCOL22 WTO122 WTO02 LOGAREA1 LOGAREA0 COL2 LAN2 SEA2 RTA2  
(logsoft=govvfrac checkandbalance civilliberty llogpop1 llogpop0 lloggdpc1  
lloggdpc0 ), vce(robust)
```

```
ivregress liml LOGTRADE loggdpc0 loggdpc1 LOGPOPO LOGPOP1 MR1DIS MRREL  
COMCOL22 WTO122 WTO02 LOGAREA1 LOGAREA0 COL2 LAN2 SEA2 RTA2  
(loginseconfinal=leg2new leg3new lloggdpc0 lloggdpc1 llogpop0 llogpop1),  
vce(robust)
```

```
/*simulation*/
```

```
margins, at ((asobserved) loginseconfinal ) at ( loginseconfinal =2.26)
```

```
margins, at ((asobserved) loghardfinal) at (loghardfinal =3.7)
```

```
margins, at ((asobserved) logsoft) at (logsoft =2.34)
```

Note: for Africa regional trade we did same after we excluded other countries from sample.

If you need any further explanation, do not hesitate to request.